

Claims

- [c1] An organic device comprising:
a substrate having an active region defined thereon, the active region comprising an active component; and
a getter layer covering the active component, the getter layer comprising an alkaline earth metal.
- [c2] The device of claim 1 wherein the substrate comprises a flexible substrate for forming a flexible device.
- [c3] The device of claim 1 wherein the active component comprises at least one OLED cell to form an OLED device.
- [c4] The device of claim 3 wherein the substrate comprises a flexible substrate for forming a flexible device.
- [c5] The device of claim 1 further comprises a cap mounted to a bonding region on the substrate to seal the device.
- [c6] The device of claim 5 wherein the getter layer covers a conductive electrode of the active components.
- [c7] The device of claim 6 wherein the getter layer comprises barium.
- [c8] The device of claim 6 wherein the getter layer is formed

by flash evaporation.

- [c9] The device of claim 6 further comprises a second getter layer lining an inner surface of the cap.
- [c10] The device of claim 9 wherein the getter layer comprises barium.
- [c11] The device of claim 9 wherein the getter layer is formed by flash evaporation.
- [c12] The device of claim 6 further comprises support posts to support the cap.
- [c13] The device of claim 10 wherein the getter layer comprises barium.
- [c14] The device of claim 10 wherein the getter layer is formed by flash evaporation.
- [c15] The device of claim 5 further comprises a second getter layer lining an inner surface of the cap.
- [c16] The device of claim 15 wherein the getter layer comprises barium.
- [c17] The device of claim 15 wherein the getter layer is formed by flash evaporation.
- [c18] The device of claim 5 wherein the getter layer comprises

barium.

[c19] The device of claim 5 wherein the getter layer is formed by flash evaporation.

[c20] An organic device comprising:
a substrate having an active region defined thereon and a bonding region, the active region comprising one or more OLED cells;
a getter layer covering a top surface of the OLED cells, wherein the getter layer comprises an alkaline earth metal; and
a cap bonded to the bonding region of the substrate to encapsulate the device.